

Abstract

A device is provided for generating electromagnetic waves, in particular for data transfer between a vehicle and a data storage medium, whereby a
5 choke coil (30) is provided between at least one part of an energy supply device (1, 40, 41, 42) and an oscillating circuit (6). The device provides short build-up and decay times for the resonant oscillation of the oscillating circuit (6). Furthermore, a method is provided for operation of the device, whereby the choke coil (30) is operated in the saturation state at times during the transient condition of the oscillating circuit (6). The
10 device can be used for modulating electromagnetic waves to be generated in accordance with data to be transmitted.